

WHAT IS CLAIMED IS:

- 5 1. A streamline folded T-shirt style produce bag for roll mounting,
which comprises:
- (a) a front panel, said front panel having first and second parallel linear
side edges, a top and a bottom edge;
- (b) a rear panel said rear panel having a second parallel linear side edges,
10 a top and bottom edge and a bottom edge;
- (c) two front gusset panels of a first of a first predetermined dimension,
each front gusset panel having a top edge, a bottom edge, first and
second parallel side edges and being joined at said first edge to one of
the linear side edges o of the front panel and extending from top edge of
15 the front panel to the bottom edge thereof;
- (d) two rear gusset panels of the first predetermined dimension, each rear
gusset panel having a top edge, a bottom edge, first and second parallel
side edges and being joined at said first and side edges of the rear panel
extending from top edge of the rear panel to the bottom edge thereof;
- 20 (e) each front panel also joined to a respective one of said rear gusset
panels at said second side edge;
- (f) each of the front and rear gusset panels being folded inwardly relative
to the front and the rear panel;

(g) the top edges of the front panel, the rear panel, the front gusset and the rear gusset panels terminating in the first perforation line, said first perforation line being perpendicular to the linear side edges of the front and rear panels;

5 (h) an upper seam, said upper seam connecting the front panel, the rear panel, the front gusset panel and the rear gusset panels at a level spaced downwardly from and parallel to said second perforation line;

(i) the bottom edges of the front panel, the rear panel, the front gusset panels and the rear gusset panels terminating in a second perforation line, 10 said second perforation line being perpendicular to the linear edges of the front and rear panels;

(j) a lower seam, said lower seam connecting the front panel, the rear panel, the front gusset panels, and the rear gusset panels at a level spaced upwardly from and parallel to said perforation line;

15 wherein said bags are rollable from their upper seams towards their lower seams onto a core from a compact roll from which bags are dispensed; and,

wherein said bags are folded inwardly from the first and second linear side edges, to establish a left fold area , a right fold area and a 20 center area, with each of said left fold area, right fold area and center area having predetermined widths, wherein the sum of the left fold area width and the right fold area width is greater than the center area width.

2. The streamline folded T-shirt style produce bag for roll mounting of claim 1 wherein the bag is folded inwardly from the first and second linear side edges for a third predetermined dimension prior to rolling the bags onto a cylindrical core, thereby providing a more compact roll of bags.

3. The streamline folded T-shirt type produce bag as described in claim 1, wherein said bag further includes:

(k) A U-shaped cutout, said U-shaped cutout being disposed in an upper portion of the bag commencing at a first in an upper point along the first perforation line spaced inwardly from said first linear side edge and extending to a second point along first perforation line spaced inwardly from said second linear side edge, said cutout extending downwardly toward the lower seam, thereby forming an open mouth and a pair of bag handles; said second perforation line attaching the bag to a subsequent bag.

4. A plurality of streamline folded T-shirt type produce bags and bag dispenser, in combination, which comprises:

(A) a plurality of connected streamline folded T-shirt type produce bags, each of said bags including:

a) a front panel, said front panel having first and second parallel linear side edges, a top and a bottom edge;

- (b) a rear panel said rear panel having a second parallel linear side edges, a top and bottom edge and a bottom edge;
- (c) two front gusset panels of a first of a first predetermined dimension, each front gusset panel having a top edge, a bottom edge, first and second parallel side edges and being joined at said first edge to one of the linear side edges o of the front panel and extending from top edge of the front panel to the bottom edge thereof;
- (d) two rear gusset panels of the first predetermined dimension, each rear gusset panel having a top edge, a bottom edge, first and second parallel side edges and being joined at said first and side edges of the rear panel extending from top edge of the rear panel to the bottom edge thereof;
- (e) each front panel also joined to a respective one of said rear gusset panels at said second side edge;
- (f) each of the front and rear gusset panels being folded inwardly relative to the front and the rear panel;
- (g) the top edges of the front panel, the rear panel, the front gusset and the rear gusset panels terminating in the first perforation line, said first perforation line being perpendicular to the linear side edges of the front and rear panels;
- (h) an upper seam, said upper seam connecting the front panel, the rear panel, the front gusset panel and the rear gusset panels at a level spaced downwardly from and parallel to said second perforation line;

(i) the bottom edges of the front panel, the rear panel, the front gusset panels and the rear gusset panels terminating in a second perforation line, said second perforation line being perpendicular to the linear edges of the front and rear panels;

5 (j) a lower seam, said lower seam connecting the front panel, the rear panel, the front gusset panels, and the rear gusset panels at a level spaced upwardly from and parallel to said perforation line;

wherein said bags are rollable from their upper seams towards their lower seams onto a core from a compact roll from which bags are dispensed; and,

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wherein said bags are folded inwardly from the first and second linear side edges, to establish a left fold area , a right fold area and a center area, with each of said left fold area, right fold area and center area having predetermined widths, wherein the sum of the left fold area width and the right fold area width is greater then the center area width.

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(B) a cylindrical core onto which said plurality of bags are rolled; and,

(C) a bag dispenser having said bags and cylindrical core mounted thereto, said bag dispenser including:

(a) a supported base;

20 (b) a surrounding upper member, said attachment member being spaced upwardly from said supporting base and sized and shaped to enclose at least a rear portion of a bag rolled;

(c) an attached member, said attached member being fixedly attached to said supporting base and said surrounding upper member and providing means for securing said dispenser to either of a vertical surface and a horizontal surface;

5 (d) a first and second parallel, upwardly angled slots, each of said slots having a front edge member and a rear edge member extending upwardly from said supporting base and connecting and extending above said surrounding upper member and being sized, shaped and disposed to slidably constrain first and second ends of a cylindrical produce bag core
10 on which said bags are wound in a roll;

(e) said angled slots permitting said bag core to slide downwardly within said slots;

(f) first and second core supports, said core supports disposed adjacent upper ends of said first and second slots and providing a bearing surface
15 for said produce bag core;

(g) a bag constraining ring, said constraining ring being mounted between said front edge member of said upwardly angled slots being slots sized and shaped to fit frictionally about a bag as it is removed from said bag roll;

20 (h) upper and lower separating tongues, said upper and lower tongues being affixed to upper and lower portions of said bag constraining ring, respectively and pointing toward an interior of said ring and being sized

and shaped to locate the U-shaped cutout in the upper portion of the bags as bags are being pulled from said bag roll; and

(i) whereby, when rolled of T-shirt style bags is mounted in the dispenser with its core resting upon said first and second core supports, the roll may be arranged to dispense from either of the top and the bottom of the bag roll, and when a leading bag from the roll is fed through the constraining ring adjacent either of the upper and lower separating tongues, one of said tongues will serve to engage the U-shaped cutout in the upper portion of the bag and facilitate tearing of the perforation joining said leading bag to a subsequent bag on the roll.

5. The plurality of streamline folded T-shirt type produce bags and bag dispenser, in combination, wherein each of said bags further includes:

(k) A U-shaped cutout, said U-shaped cutout being disposed in an upper portion of the bag commencing at a first in an upper point along the first perforation line spaced inwardly front said first linear side edge and extending to a second point along first perforation line spaced inwardly front said second linear side edge, said cutout extending downwardly toward the lower seam, thereby forming an open mouth and a pair of bag handles; said second perforation line attaching the bag to a subsequent bag.

6. A method of making a plurality of connected, streamline folded

t-shirt style produce bags, which comprises:

(A) making a plurality of bags, connected in series, each of said bags being as follows:

(a) a front panel, said front panel having first and second parallel linear side edges, a top and a bottom edge;

(b) a rear panel said rear panel having a second parallel linear side edges, a top and bottom edge and a bottom edge;

(c) two front gusset panels of a first of a first predetermined dimension, each front gusset panel having a top edge, a bottom edge, first and second parallel side edges and being joined at said first edge to one of the linear side edges o of the front panel and extending from top edge of the front panel to the bottom edge thereof;

(d) two rear gusset panels of the first predetermined dimension, each rear gusset panel having a top edge, a bottom edge, first and second parallel side edges and being joined at said first and side edges of the rear panel extending from top edge of the rear panel to the bottom edge thereof;

(e) each front panel also joined to a respective one of said rear gusset panels at said second side edge;

(f) each of the front and rear gusset panels being folded inwardly relative to the front and the rear panel;

(g) the top edges of the front panel, the rear panel, the front gusset and the rear gusset panels terminating in the first perforation line, said first

perforation line being perpendicular to the linear side edges of the front and rear panels;

(h) an upper seam, said upper seam connecting the front panel, the rear panel, the front gusset panel and the rear gusset panels at a level spaced downwardly from and parallel to said second perforation line;

(i) the bottom edges of the front panel, the rear panel, the front gusset panels and the rear gusset panels terminating in a second perforation line, said second perforation line being perpendicular to the linear edges of the front and rear panels;

(j) a lower seam, said lower seam connecting the front panel, the rear panel, the front gusset panels, and the rear gusset panels at a level spaced upwardly from and parallel to said perforation line;

said second perforation line attaching the bag to a subsequent bag; and,

(B) folding said bags inwardly from the first and second linear side edges, to establish a left fold area , a right fold area and a center area, with each of said left fold area, right fold area and center area having predetermined widths, wherein the sum of the left fold area width and the right fold area width is greater then the center area width; and,

(C) rolling said bags from their upper seams towards their lower seams onto a core from a compact roll from which bags are dispensed.

7. The method of making a plurality of connected, streamline folded

t-shirt style produce bags of claim 6, wherein the bag is folded inwardly from the first and second linear side edges for a third predetermined dimension prior to rolling the bags onto a cylindrical core, thereby providing a more compact roll of bags.

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8. The method of making a plurality of connected, streamline folded t-shirt style produce bags of claim 6, wherein each of said bags further is made to include:

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(k) A U-shaped cutout, said U-shaped cutout being disposed in an upper portion of the bag commencing at a first in an upper point along the first perforation line spaced inwardly from said first linear side edge and extending to a second point along first perforation line spaced inwardly from said second linear side edge, said cutout extending downwardly toward the lower seam, thereby forming an open mouth and a pair of bag handles.

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9. The method of making a plurality of connected, streamline folded t-shirt style produce bags of claim 6, which further includes mounting said core with said bags that have been rolled thereon, onto a roll – receiving, bag dispenser, said bag dispenser including:

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(a) a supported base;

(b) a surrounding upper member, said attachment member being spaced upwardly from said supporting base and sized and shaped to enclose at least a rear portion of a bag rolled;

5 (c) an attached member, said attached member being fixedly attached to said supporting base and said surrounding upper member and providing means for securing said dispenser to either of a vertical surface and a horizontal surface;

10 (d) a first and second parallel, upwardly angled slots, each of said slots having a front edge member and a rear edge member extending upwardly from said supporting base and connecting and extending above said surrounding upper member and being sized, shaped and disposed to slidably constrain first and second ends of a cylindrical produce bag core on which said bags are wound in a roll;

15 (e) said angled slots permitting said bag core to slide downwardly within said slots;

(f) first and second core supports, said core supports disposed adjacent upper ends of said first and second slots and providing a bearing surface for said produce bag core;

20 (g) a bag constraining ring, said constraining ring being mounted between said front edge member of said upwardly angled slots being slots sized and shaped to fit frictionally about a bag as it is removed from said bag roll;

(h) upper and lower separating tongues, said upper and lower tongues being affixed to upper and lower portions of said bag constraining ring, respectively and pointing toward an interior of said ring and being sized and shaped to locate the U-shaped cutout in the upper portion of the bags as bags are being pulled from said bag roll; and

(i) whereby, when said roll of T-shirt style bags is mounted in the dispenser with its core resting upon said first and second core supports, the roll may be arranged to dispense from either of the top and the bottom of the bag roll, and when a leading bag from the roll is fed through the constraining ring adjacent either of the upper and lower separating tongues, one of said tongues will serve to engage the U-shaped cutout in the upper portion of the bag and facilitate tearing of the perforation joining said leading bag to a subsequent bag on the roll.

10. The method of making a plurality of connected, streamline folded t-shirt style produce bags of claim 6, wherein each of said bags further is made to include:

(k) A U-shaped cutout, said U-shaped cutout being disposed in an upper portion of the bag commencing at a first in an upper point along the first perforation line spaced inwardly from said first linear side edge and extending to a second point along first perforation line spaced inwardly from said second linear side edge, said cutout extending downwardly

toward the lower seam, thereby forming an open mouth and a pair of bag handles.